

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068703.D
 Acq On : 27 Sep 2021 13:46
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:05:44 PM

Quant Time: Sep 27 14:34:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:19:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.659	128	83595	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.965	114	517381	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	451304	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	221401	31.881	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.267%			
60) 4-Bromofluorobenzene	12.731	95	306087	44.128	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 147.100%#			
63) Toluene-d8	10.443	98	653994	32.910	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 109.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	766384	166.642	ug/l	97
3) Chloromethane	2.298	50	900850	147.346	ug/l	98
4) Vinyl Chloride	2.440	62	1163368	166.313	ug/l	100
5) Bromomethane	2.816	94	781930	170.928	ug/l	97
6) Chloroethane	2.987	64	812437	166.524	ug/l	98
7) Trichlorofluoromethane	3.360	101	1330472	158.888	ug/l	97
8) Diethyl Ether	3.821	74	487269	161.140	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.208	101	735474	161.146	ug/l	99
10) 1,1-Dichloroethene	4.181	96	700284	161.094	ug/l	98
11) Methyl Iodide	4.419	142	970647	176.137	ug/l	98
12) Methyl Acetate	4.849	43	1450939	155.159	ug/l	99
13) Acrolein	4.039	56	225816	799.207	ug/l #	26
14) Acrylonitrile	5.554	53	2237187	811.745	ug/l	98
15) Acetone	4.285	58	560538	801.180	ug/l	91
16) Carbon Disulfide	4.529	76	1981626	155.748	ug/l	100
17) Allyl chloride	4.838	41	1394087	162.974	ug/l	99
18) Methylene Chloride	5.095	84	813560	153.097	ug/l	97
19) trans-1,2-Dichloroethene	5.594	96	766455	158.480	ug/l	94
20) Diisopropyl ether	6.495	45	3125201	166.070	ug/l	98
21) 1,1-Dichloroethane	6.388	63	1564119	156.471	ug/l	99
22) cis-1,2-Dichloroethene	7.324	96	939063	163.383	ug/l	95
23) tert-Butyl Alcohol	5.372	59	780661	847.830	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	2787630	167.356	ug/l	96
25) Chloroform	7.817	83	1651381	160.247	ug/l	98
26) Cyclohexane	8.096	56	1446464	151.744	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	1283021	146.809	ug/l	99
30) 2-Butanone	7.332	43	3351271	745.798	ug/l	99
31) 2,2-Dichloropropane	7.327	77	1433165	182.684	ug/l	98
32) 1,1,1-Trichloroethane	8.019	97	1594345	147.974	ug/l	99
33) Carbon Tetrachloride	8.209	117	1398796	149.166	ug/l	97
34) Benzene	8.461	78	3792445	148.369	ug/l	98
35) Methacrylonitrile	7.638	41	665772	139.297	ug/l	96
36) 1,2-Dichloroethane	8.531	62	1539761	153.566	ug/l	98
37) Trichloroethene	9.215	130	1005712	159.848	ug/l	97
38) Methylcyclohexane	9.459	83	1991377	196.460	ug/l	99
39) 1,2-Dichloropropane	9.491	63	1073801	158.935	ug/l	98
40) Dibromomethane	9.577	93	730633	147.258	ug/l	97
41) Bromodichloromethane	9.762	83	1544036	154.828	ug/l	99
42) Vinyl Acetate	6.434	43	12728543m	772.845	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	1360675	141.129	ug/l	95
44) Isopropyl Acetate	8.560	43	2567470	150.209	ug/l	99
45) 1,4-Dioxane	9.569	88	320814	2868.947	ug/l	95
46) Methyl methacrylate	9.561	41	1298155	157.949	ug/l	97
47) n-amyl Acetate	12.388	43	3114334	201.566	ug/l	97
48) t-1,3-Dichloropropene	10.719	75	1892475	158.894	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	1921258	159.145	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	1180081	150.612	ug/l	98
51) Ethyl methacrylate	10.762	69	1840672	139.298	ug/l	98
52) 1,3-Dichloropropane	11.044	76	1819369	133.206	ug/l	99
53) Dibromochloromethane	11.240	129	1153320	131.958	ug/l	100
54) 1,2-Dibromoethane	11.347	107	1009073	124.598	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	2760874	915.774	ug/l	100
56) Bromoform	12.460	173	1098473	191.177	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	8300984	930.466	ug/l	100
59) 2-Hexanone	11.087	43	5794579	853.210	ug/l	99
61) Tetrachloroethene	10.980	164	880138	168.480	ug/l	96
62) Toluene	10.510	91	4637845	188.062	ug/l	100
64) Chlorobenzene	11.771	112	2544522	161.255	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.849	131	1179732	195.232	ug/l	99
66) Ethyl Benzene	11.851	91	5951023	204.601	ug/l	98
67) m/p-Xylenes	11.956	106	5412544	505.405	ug/l	100
68) o-Xylene	12.283	106	2646071	250.896	ug/l	97
69) Styrene	12.296	104	4360886	257.362	ug/l	98
70) Isopropylbenzene	12.581	105	6690748	248.504	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	1805605	222.072	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	1600199m	205.701	ug/l	
73) Bromobenzene	12.862	156	1426615	232.575	ug/l	94
74) n-propylbenzene	12.921	91	7376758	235.702	ug/l	100
75) 2-Chlorotoluene	13.010	91	4279220	227.419	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	5051421	228.509	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	707546	291.834	ug/l	94
78) 4-Chlorotoluene	13.106	91	4194259	234.498	ug/l	98
79) tert-butylbenzene	13.326	119	3934256	210.142	ug/l	97
80) 1,2,4-Trimethylbenzene	13.369	105	4055388m	198.403	ug/l	
81) sec-Butylbenzene	13.503	105	4825327	189.883	ug/l	100
82) p-Isopropyltoluene	13.616	119	4188393	206.680	ug/l	98
83) 1,3-Dichlorobenzene	13.616	146	1965945	199.083	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	1870811	195.765	ug/l	99
85) n-Butylbenzene	13.943	91	3654218	216.989	ug/l	100
86) Hexachloroethane	14.214	117	836152	205.345	ug/l	98
87) 1,2-Dichlorobenzene	13.989	146	1785945	185.620	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	304750	212.976	ug/l	94
89) 1,2,4-Trichlorobenzene	15.265	180	996148	209.913	ug/l	99
90) Hexachlorobutadiene	15.370	225	488008	195.937	ug/l	98
91) Naphthalene	15.507	128	2869642	221.107	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	973612	212.516	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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